

TENNESSEE DEPARTMENT OF ENVIRONMENT AND CONSERVATION DIVISION OF WATER SUPPLY

DISINFECTANT MONITORING AND MRDL COMPLIANCE REPORT

PWSID#	ENTRY POINT	PUBLIC WATER SYSTEM NAME AND ADDRESS		
SAMPLE PI START DATE	J LJ ERIOD END DATE			
m m d d y y	m m d d y y			
I. SYSTEMS USING CHLORINE OR CHLORAMINES (1)				
A. Distribution System	Monitoring			
Number of Samples Sample Required (1) Take	es Lowest Residual	Average Residual Measured (mg/L)	Number of Samples below 0.2 mg/L	% of Samples 0.2 mg/L or higher
B. Entry Point Monitoring (For Sub Part H Systems ⁽²⁾ Only)				
Number of Days Residual Measurements Required ⁽³⁾ Taken	Conducted		s the Continuous Chlorine rice more than 5 consecution while this facility was in the contract of the contract	ve days operation?
II. SYSTEMS USING CHLO	RINE DIOXIDE			
A. Entry Point Monitor	<u>ing</u>			
B. Distribution System	Taken Entering the I	Residual Mea D.S. > MRDL mg/L		Consecutive ual Measured RDL
-	zing Disinfection Booste		T' (O 1	The state of The state of
Date E.P. Sample Exceeded MRDL	Date of Follow-Up Sampling (4)	Time of First Sample Result (mg/L)	Time of Second Sample Result (mg/L)	Time of Third Sample Result (mg/L)
2. Systems Utilizing	Disinfection Booster Sta			
Date E.P. Sample Exceeded MRDL	Date Follow-Up Sampling ⁽⁵⁾	Closest Customer	Average Point	Maximum Residence Time
 (2) Subpart H Systems are public water (3) Disinfection residuals must be mean operation. Grab sampling may be (4) For systems using chlorine dioxide set of measurements must be taken (5) For systems using chlorine dioxide set of measurements must be taken 	asured at the same frequency and localer systems that treat surface water and asured continuously for chlorine for sy conducted at the rate specified in the extended in the day after the exceedance at a post, and which utilize booster chlorination en the day after the exceedance at the ecting the maximum residence time.	d/or ground water under the direct in stems serving more than 3,330 per regulations for systems serving less in facilities in the distribution system, oint closest to the first customer at s in facilities in the distribution system the following locations: 1) a point cl	influence of surface water. sons at the entry point to the distriction 3,300. if an entry point sample exceeds ix-hour intervals. Analysis must be if an entry point sample exceeds osest to the first customer, 2) a page 1	the MRDL, a three-sample be by Ion Chromatography. the MRDL, a three-sample
I CERTIFY THAT THE INFORMATHE REPORTING PERIOD SPECI		ACCURATELY CORRESPOND	S TO THE OPERATION OF	THIS FACILITY FOR
PREPARED BY	DATE	APPROVED BY	DATE	:

Instructions

I. Systems Using Chlorine or Chloramines

A. Distribution System Monitoring

Number of Samples Required: See Note 1 Above.

Number of Samples Taken: See Note 1 Above.

Lowest Residual: Enter the lowest residual measured from all distribution system measurements.

Average Residual: Enter the arithmetic average residual calculated from all distribution system measurements.

Number below 0.2 mg/L: Enter the number of residual measurements below 0.2 mg/L.

% of Samples 0.2 mg/L or higher: Enter the calculated percentage of measurements that were 0.2 mg/L or higher. Example: 35 measurements above 0.2 mg/L divided by 40 measurements = 87.5 %.

B. Entry Point Monitoring

Number of Days Residual Measurements Required:

Disinfectant residual must be measured at the entry point each day facility in operation.

Type of Monitoring Conducted Place a "X" in the box below either grab or continuous to indicate the type of disinfection monitoring

conducted on finished water leaving the treatment facility.

Number of Days Residual

Measurements Taken: Enter actual number of days the disinfectant residual was measured.

Lowest Residual Entering D.S.: Enter the lowest residual measured entering the distribution system.

Number of Days Continuous Monitoring Operated:

Enter the number of days continuous disinfection monitoring equipment operated.

Number of Days Continuous Monitoring Out of Service:

Enter the number of days continuous disinfection monitoring equipment was out of service.

II. Systems Using Chlorine Dioxide

A. Entry Point Monitoring

Number of Days Residual Measurements Required:

Disinfectant residual must be measured at the entry point each day facility in operation.

Number of Days Residual Measurements Taken:

Enter actual number of days the disinfectant residual was measured.

Highest Residual Entering D.S.: Enter the highest disinfectant residual measured entering the distribution system.

Number of Days Residual > MRDL: Enter the number of days the residual measurement exceeded the MRDL of 0.8 mg/L.

Number of Consecutive Days:

Residual > MRDL:

Enter the number of consecutive days the residual measurement exceeded the MRDL of 0.8 mg/L.

B. Distribution System Monitoring

1. Systems Not Using Booster Stations

Date E.P. Sample Exceeded

MRDL:

Enter the date the disinfectant residual entering the distribution system exceeded the

MRDL of 0.8 mg/L.

Date of Follow-Up Sampling

Enter the date follow-up sampling occurred.

Sample Times and Results:

Follow-up sampling must be taken the day after a MRDL exceedance, and must be taken at six-

hour intervals at the closest customer to the treatment facility.

2. Systems Using Booster Stations

Date E.P. Sample Exceeded MRDL:

Enter the date the disinfectant residual entering the distribution system exceeded the

MRDL of 0.8 mg/L.

Date of Follow-Up Sampling:

Enter the date follow-up sampling occurred.

Sample Locations and Results:

Follow-up sampling must be taken the day after a MRDL exceedance, and must be taken at the following locations: closest customer, average residence time, and at the maximum residence time

(end of distribution system).